

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 3, 4 and 5 AMEND claims 1, 2, 6 and 7 in accordance with the following:

1. (CURRENTLY AMENDED) A partial reprojection method for ~~user reflecting a shape modified in a three-dimensional part model on a two-dimensional projection generated from an assembly model~~ in a three-dimensional CAD system, the method comprising:

- generating a two-dimensional projection by projecting an assembly model;
- grouping two-dimensional elements in the two-dimensional projection projected from the assembly model for each part of the assembly model;
- adding in advance, as part information, attributes of each part of the assembly model to the two-dimensional projection, the attributes including a line of sight and a position of the each part of the assembly model;
- loading a modified three-dimensional part model generated by modifying a shape of a three-dimensional part model that is a part of the assembly model;
- specifying two-dimensional elements to be updated when updating the shape in the three-dimensional part model;
- deciding a projecting direction of the modified three-dimensional part model from based on the a line of sight of each part a part to be reprojected included in the part information;
- deciding a generating position of two-dimensional elements of the part modified three-dimensional part model from based on the a position of the part to be reprojected included in the part information; and
- performing the partial reprojection of reprojecting the shape modified in a three-dimensional part model to generate a modified two-dimensional projection based on the specified two-dimensional elements, the decided projecting direction and the decided generating position.

2. (CURRENTLY AMENDED) The partial reprojection method according to claim 1, further comprising:

adding ~~projection information~~ to the two-dimensional projection, projection information including information about a loaded model and ~~information about a model to be projected a projected model;~~ and

deciding ~~whether which an entire reprojection is~~ should be performed from, an entire reprojection based on the assembly model or a partial reprojection based on the modified three-dimensional part model is performed for a part in accordance with the projection information, wherein;

if the partial reprojection is decided to be performed, ~~the part information and the projection information are not changed,~~ only the shape is changed and the part information and the projection information are not changed; and

if the entire reprojection is decided to be performed, a projection direction of the assembly model is decided based on the projection information.

3-5. (CANCELLED)

6. (CURRENTLY AMENDED) A computer-readable medium storing a program for a three-dimensional CAD system ~~that enables reflection of a shape modified in a three-dimensional part model on a two-dimensional projection generated from an assembly model,~~ the program causing a computer perform:

generating a two-dimensional projection by projecting an assembly model;

grouping two-dimensional elements ~~projected from the assembly model for each part; in the two-dimensional projection for each part of the assembly model;~~

adding in advance, as part information, attributes of each part of the assembly model to the two-dimensional projection, the attributes including a line of sight and a position of ~~the each part of the assembly model;~~

loading a modified three-dimensional part model generated by modifying a shape of a three-dimensional part model that is a part of the assembly model;

~~specifying two-dimensional elements to be updated when updating the shape in the three-dimensional part model;~~

deciding a projecting direction of the modified three-dimensional part model ~~from based on the~~ a line of sight of each part a part to be reprojected included in the part information; ~~and~~

deciding a generating position of two-dimensional elements of the ~~part~~ modified three-dimensional part model ~~from based on the~~ a position of the part to be reprojected included in the part information; and

~~performing the partial reprojection of~~reprojecting the shape modified in a three-dimensional part model to generate a modified two-dimensional projection based on the specified two-dimensional elements, the decided projecting direction and the decided generating position.

7. (CURRENTLY AMENDED) The computer-readable medium according to claim 6, said ~~the program~~ causing said ~~the~~ computer to further perform:

adding ~~projection information~~ to the two-dimensional projection, projection information including information about a loaded model and ~~information about a model to be projected; a projected model; and~~

~~deciding whether which an entire reprojection is~~ should be performed from, an entire reprojection based on the assembly model or a partial reprojection based on the modified three-dimensional part model is performed for a part in accordance with the projection information; wherein: and

if the partial reprojection is decided to be performed, ~~the part information and the projection information are not changed, but only the shape is changed and the part information and the projection information are not changed; and~~

~~changing only the shape without changing the attributes of the part information and the projection information when performing the partial reprojection.~~

If the entire reprojection is decided to be performed, a projection direction of the assembly model is decided based on the projection information.